

Borehole 33-MW-1
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Log of Borehole

Project <u>Vandenberg</u>				8" Hole Depth <u>35.5 feet</u>		START FINISH	
Location <u>Site #33 576-E</u>				12" Hole Depth <u>34 feet</u>		Date <u>4/15/87</u> <u>4/16/87</u>	
Geologic Log by <u>Byrnes/Moore</u>				Depth to Water <u>27.2 feet</u>		Time <u>1617</u> <u>0840</u>	
Driller <u>Fred Carey (Beylik)</u>				Rig <u>Mobil Drill B-61</u>		How Left <u>Locked,</u>	
Drilling Method <u>Hollow-stem Auger</u>				Bit(s) <u>Finger-tooth Auger Bit</u>		<u>above-ground</u>	
Weather <u>Clear, Light Breeze (5mph)</u>				TOC Elevation <u>63.2 feet</u>		<u>well completion.</u>	

Depth	Pene. Rate/ Blow Cts	OVA/ Sample	OVA/ Hole	Sample		Lith. Symbol	Geologic and Hydrologic Description	% Core Recovery
				#	Interval			
0								
5	33/96	0.0	0.0		4-5 1/2		4'-5 1/2': Sand, medium grained, very well sorted, predominately quartz, feldspar, minor rock fragments, subrounded grains, medium dense, dry, brownish yellow (10YR 6/6), trace chert and epidote. (SP)	90%
10	48/22	0.0	0.2		9-10 1/2		9'-10 1/2': Same as above except trace of garnet. (SP)	90%
15	48/26	0.0	0.2	5300	14-15 1/2		14'-15 1/2': Sand, medium grained, well sorted, predominately quartz, feldspar, minor chert and rock fragments, moist, subrounded grains, medium dense, brown (10YR 4/3), trace of epidote. (SP)	100%
20	45/15	0.2	0.0	5301	19-20 1/2		19'-20 1/2': Sand, medium grained, very well sorted, predominately quartz, feldspar, subrounded grains, dense, slightly moist, very pale brown (10YR 7/4), trace of chert and epidote. (SP)	100%
25	26/25	2.6	0.0		24-25 1/2		24'-25 1/2': Sand, same as above except light gray (10YR 7/2). (SP)	
							29'-30 1/2': Sand, fine- to medium-grained, moderately well sorted, predominately quartz, feldspar, minor rock fragments, subrounded grains, dense, saturated, light olive brown (2.5Y 5/6). (SP)	80%
30	30/36	0.1	0.0	5302	29-30 1/2		34'-35 1/2': Same as above except very fine grained sand, well sorted, predominately quartz, subrounded, saturated with water. (SP)	100%
35	30/18	0.0			34-35 1/2		35 1/2'-35 3/4': Diatomite with iron oxide along fractures. (RX)	90%

OVA background 2.0ppm